

1925

Color notes

Pp. 140 - 141

??
..

Pp. 142, 143

+ notes p. 144

also p. 148

checked

1925

- 1 Pr. William H. Longley
- 3 Dr. David Hill Tennant
- 3 J. M. Valentine
- ~~R. V.~~ Wm Randolph Taylor
- 5 Paul Conger
- 6 Amy N Miller
- 7 Dr. Caswell Grave
- 8 Dr. Albert Mann

Dr. H. Boschna
Dr. H. V. Wilson

Bartsch last two weeks.

1925

May 30-31 Spent night at Over Sea
 Hotel had nice 3d floor front room
 with Cogen for \$2.50 each for the night
 Smiley paid for meals at Victoria
 Res. Had with Cogen 35¢ worth
 of ice cream each at Curry's
 Fare 63.75 of which 15 = sleeper Station ^{check 10} Porter 26

Fare 63.75
 including 15 Pullman

Friday dinner enroute 1.50

Break. Sat. .90

Lunch Sat Jacksonville .90

Station Porter .10

Sat dinner 1.50

Sun. Break. .80

Car porter .35

Papers .20

car porter
 Baggage check 20 Gator farm
 Sandwich & milk 25
 Ice cream 35 Car fare 30

June 1. Trip down was uneventful, with Dr. Mann +
 Cogen. Dr. Mann is the best ^{sort} of a hawkeye
 companion, and a joy to be along with

1925 ¹²¹₅

1925 June 2 Fortuager

Collected with Cinger and Miller on
and in front of first rocks below
Sat. pier west side of Soggy Head

#25-1
had June 1
on label

Key. 1 large Mithras hispida ♀*
Miller got a lot of Cibicides
tricolor and Calcinus tibicen.
Some amphipods and isopods
washed from sea weed
A number of Mithras corphe from holes in
* Found under large rock which I over turned

The found of the first rocks ad in
the eel patches off of them certainly
seems richer in point of numbers than
last year. The small sea urchins
planted here have reached a good size
as large as any that Jensen used
in his experiments last year, which
Dr. Soggy said indicates a year
growth. Can it not be that it is the
second year. The small half dollar sea
being one yr. old.

Valentine brought in an Ocyropsis from the beach

June 3. Went out too netting with Th. Mann and Conger. Got a lot of pelagic stuff copepods, and Serris which has not represented in last ^{year's} ~~year's~~ collections.

#25-2

Jayla brought me a Mithrax sculptus from the fort and a Callinectes

#25-3

In afternoon went down on rocks about west side lighthouse pier and did some collecting, mostly Mithrax coryphe and sculptus. Sork through 8 Purina shells but got nothing in ~~afternoon~~ ^{evening} after supper scattered Purina bodies on sand in cove at north end of Sagerhead Key and saw one Hippa burrow in sand with pc

June 3 Found a Hippa. By throwing remains of Puma ~~shell~~ bodies along beach in little ^{cave} at north end of island. Shortly afterward saw a small one scatter into sand where I happened to be looking, but not near any Puma meat so far as I could see. I scooped up a double hand full of sand, and there I had it; put it in a beaker and there found it.

June 4th Will stand quite a lot of poking in surf, to antennules, which are white just color of coral sand. Back is black speckled, so that when exposed looks like white sand and black interstices. If touched from behind rotates backward in much bothered cases making a complete revolution so that it heads other way. Seems almost, if not ^{quite} incapable of going forward. sickle shaped dactylar terminal joints of appendages all working in rotation & alternation, quickly by animal. ^{mostly} just antennules & flagella only exposed; and after little ~~space~~ with eyes and antennular peduncle sticking out.

Shifted
position twice
in 45 mins

June 4th.

{ 4 mins of mine
pulled under }at 11.15 still
couldn't find
still at 2.00found antennule out
after return about 4.30

collected

For a full minute poked and
and put glass rod on tip of antennule
twirled it on the point did not respond
but as soon as I took hold with forceps
(but as long as I didn't pull didn't mind)
and gave a pull it picked up and
pulled entire body back and under.

Worked with animal again no matter
what I do will not go forward. It
certainly looks as though it is in-
capable of forward movement.

When the antennules lie on ground look
just like ~~broken~~ ^{straight} edge of ~~broken~~ ^{broken} shell.

June 13

Yesterday I noticed particularly
that the animal used a sort
of circular motion in trying to
dig in, hadn't noticed it before.
Maybe used this method because
weaker. Therefore died three days ago
would spin itself more or less like
a wobbly top on hinder end, in
getting under sand especially where
thin over glass bottom

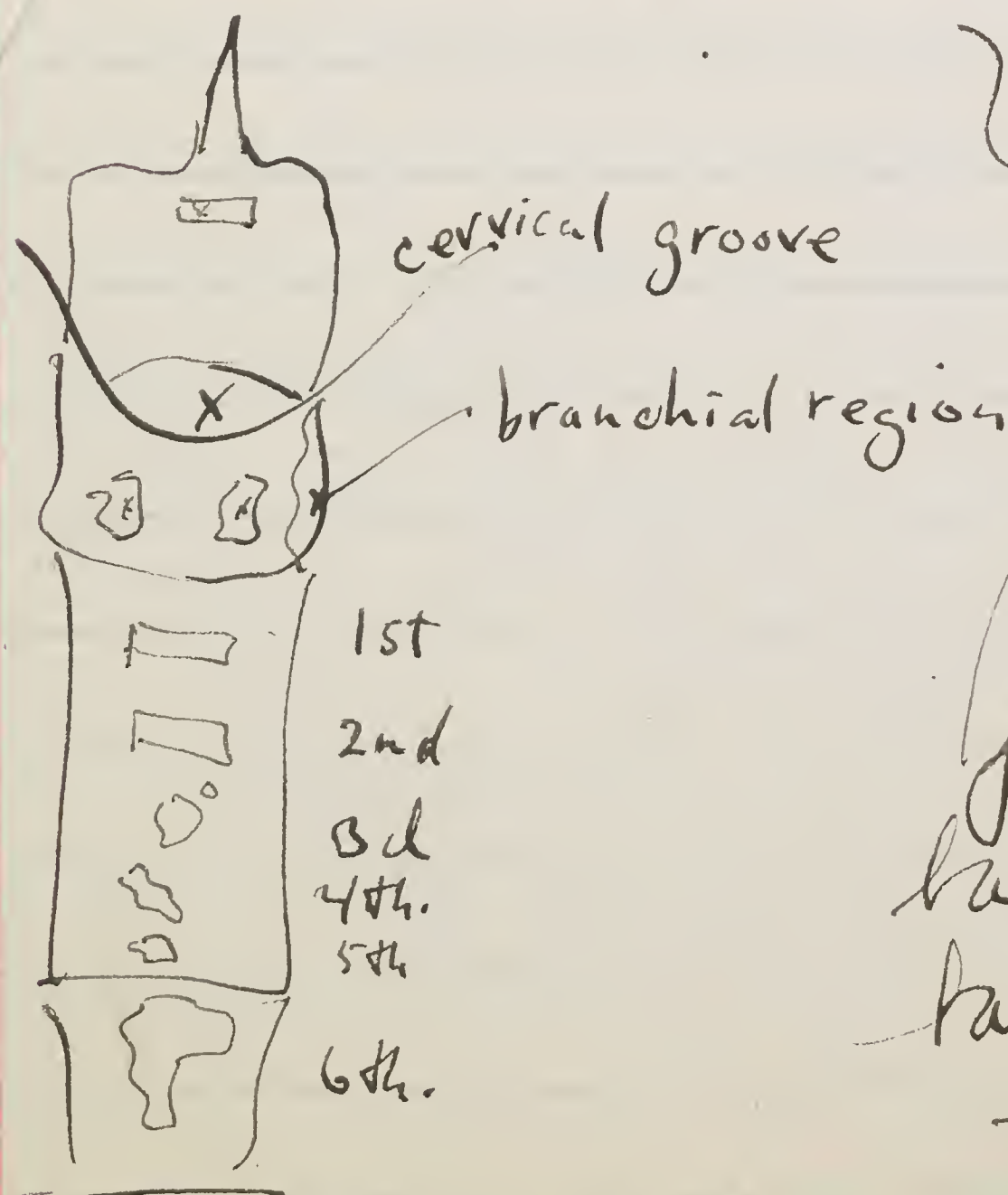
Bush Key
 June 5
 Sunday
 #25-41

In lab. in morning On Bush Key
 reef in afternoon 2-5.

Got some amphipods and isopods, washed
 from eel grass debris brought up in
 seine in 4-4 1/2 feet of water

On Bush Key reef got a little white
 chromid, light ~~greenish~~ creamish-white,
 with ^{light} salmon tipped fingers, eyes dark,
 almost black brown, alga on back
 light malachite green

Sittle crimson - ^{crimson} burnished Portland
 on bottom of overturned rock.
 tip of ant. and x areas white



All rest including
 eggs except fingers tips
 and basal part of
 eye stalks. crimson x
 burnish carmine.

Antennae and antennular
 flagella distally white
 basal half with distinct
 bands of reddish

mm mm mm

Walked to south end of
 island & back with the sunsets.

basally suffused with the
 red.

June 5th Helpe Sh. Specially open up fish stomachs
 Fri. most of forenoon, dynamited fish
 from just inside of reef.

Worked on them in afternoon & again
 morning of 6th got some very interesting
 things a *Pinnotheres depressus*,
 & *Proceras* that I had not
 seen before.

In all found four species new
 to fauna

Worked at stomach contents till
 dark & missed a most beautiful sun
 set.

Walked around lower half of island
 with all except Mr. Mann.

June 6th
#25-5

Bird Key reef in afternoon #25-5
Fish stomachs all morning

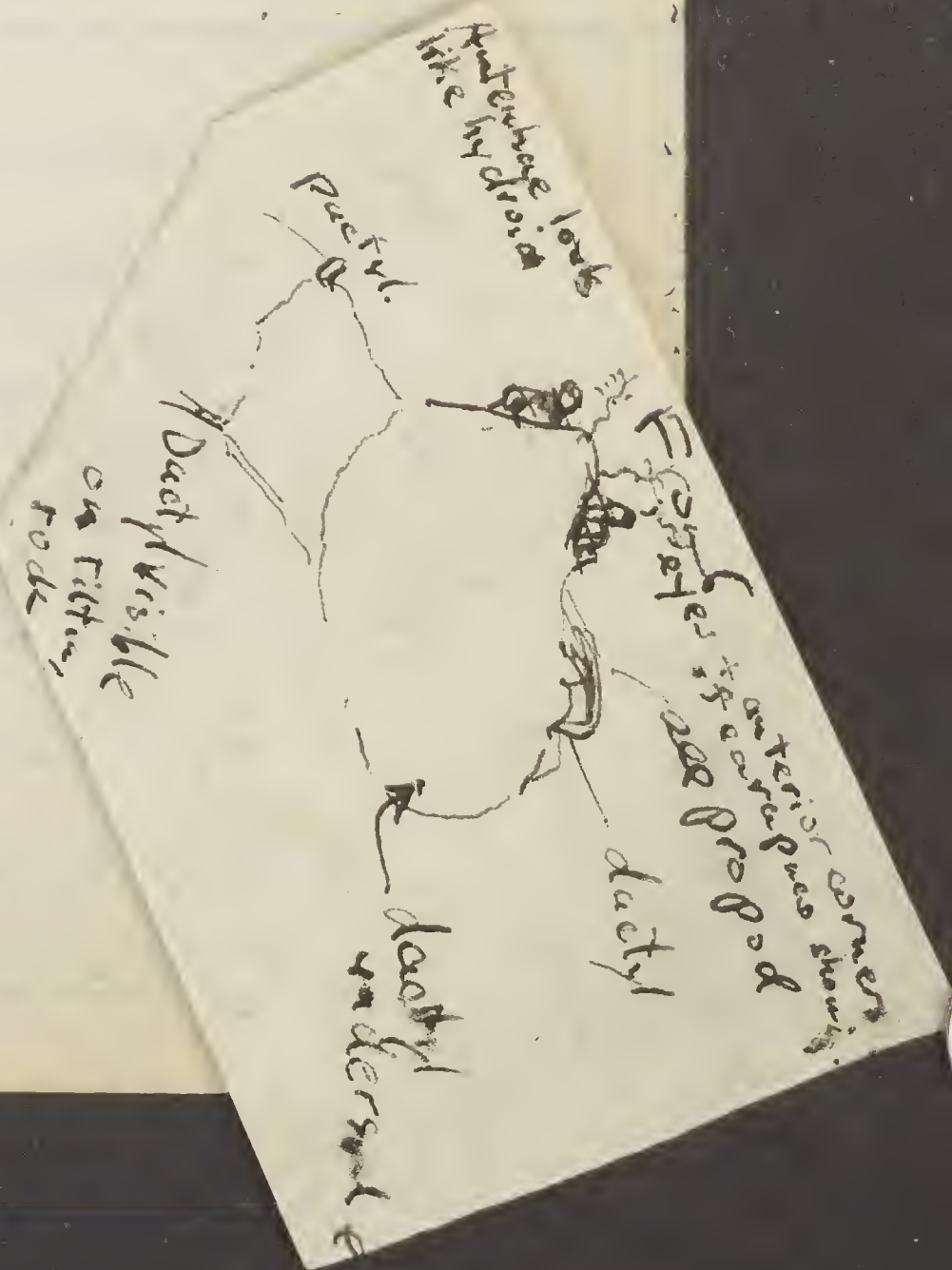
June 7 Another batch of fish stomachs
 worked on them all day
 went over on Bird Key Reef again
 tried a few pictures of reef
 #25-6 + got on way back to cutter

June 8 Worked on fish stomachs all day
 took couple of Photos + sorted
 over a bucket of algae for
 amphipods all afternoon

Picked up rock with
 forceps to transfer
 from qt jar to
 dish with sand +
 did not let go held
 on through dredge
 haul
 vessel
 up of bottle
 is on roller
 shaking

June 7 Another batch of fish stomachs
 worked at them all day
 went over on Bird Key reef again
 tried a few pictures of reef
 #25-6 + got on way back to cutter

June 8 Worked on fish stomachs all day
 took couple of Photos + sorted
 over a bucket of algae for
 amphipods all after noon



June 9

Put up another lot of fish stomachs
for study. Took most of forenoon
after writing letters to Al. Clarence & Byers
before breakfast.

June 10 Another day on fish slacks

June 10

Dredged with Dohrn. Left early before 7 a.m. Passed buoy at 8 a.m. put at due S. of buoy east side channel.

Haul #205

Bout dredge

30.1 fm

9 miles S.

Boat dredge ore at 9,30 what 9.45
30 fms - 31 fms. about 9 miles south

fine sand, washed out shell fragments.

Hand ~~2~~ 206

Bmt hedge

35-37.

10 m. 5. 3.

Bout dredge over 10.10; 35 fms. - 37 fms.

Coarse sand bot. rough with

many Brizoa. I got

a Boloma-like that I thought as

first was a Cymopolia = { Ethusa
carried little coral rock } mascaron
americana

Hand #207

Bank. Hedge

37-

Boat dredge up at 11.00 a.m. 37 fms.

Sponges, gulf, Bryozoa and

shelly sand, part full of

changes, kept for writing over.

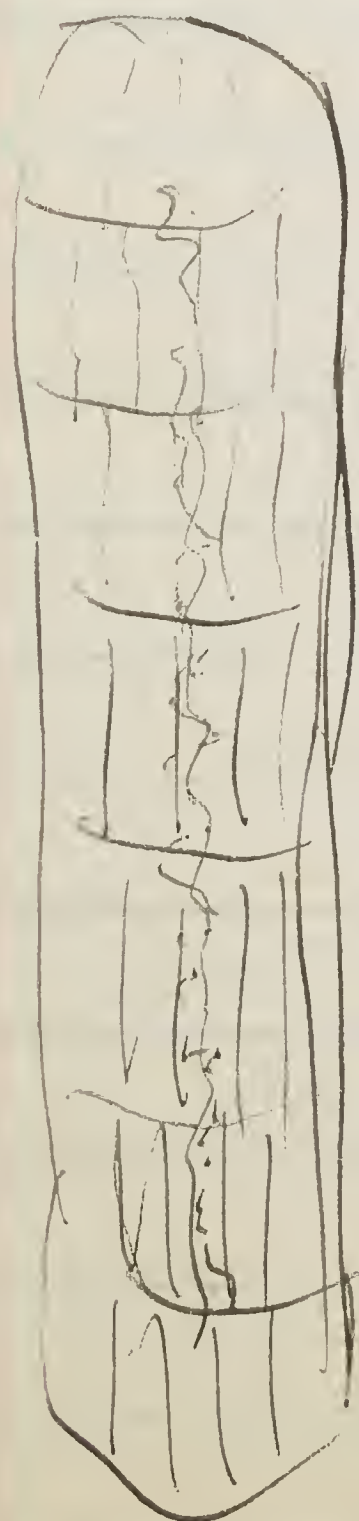
1925

June 10 cont'd

Haul at
208

Bent dredge

11.50 Boat dredge out 50 fms.

soft grey ooze quite cold to
touch much colder than quite
warm water.about 12 miles
south# Haul
20927 ft otter
trawlHad some trouble
one chain had
be some ripped
around lower
links and
Fixed this & it fished fine.Tried out of otter trawl when put
out depth was 50 fms at end of
haul 87 fms. but net did not
touch bottom, no catch except
a marked zappa a tur cap
one curious looking Siphonophoreabout 12 miles
southtwice length of my thumb and about
same dia.Seemed to be made up
as it were of a series of nested
growns with strand of reddish
through middle with little hump
of red attach, but not appearing
as conspicuous or many as
in preserved spec. which the greater
part has broken apart
& separated.

June 10 cont'd

1925 about 13 miles
south

131

Haul #

210

27' otter trawl

Tried to get otter trawl (27 ft) on bottom at 87 fms sounding but it was lett out so slow that by time it was hauled up we were in 45 fms as rounded at end of haul.

Very rough bottom. Gorgonian coral & Bryozoa, few algae. net was stripped for getting part from coral & lead lines and latter was broken. Bottom was too rough for charact of net. Hauled net up & got home by 7.30 for late supper.

— June 11, 1925 —

June 11 / 25 Second and last days dredging ^{up to} ~~for~~
Hohm for 1925.

Haul #

211

Boat dredge
10 fms.

9.20-9.30 a.m. ^{first of three} cross channel
hauls from black, mid channel
spur way to east channel ~~that~~
~~red~~ red. bay.

From S1. to N. 2.

Muddy sand, algae, chiefly *Hydrobia*
Halimeda, few living shells, ~~121~~
2 *Parthenopids*

Haul #

212

Boat dredge
10-8 fms.

No crustacea 2nd cross channel
haul 10 min tow up at 9.40
Ran from 10 fms at end of previous
haul into 8 fms.

Muddy sand of very firm consistency

Haul #

213

Boat dredge
8-5 fms.

Third and last cross channel
haul at end was 5 fms. no more
hauls made because ground could
be covered with *Quadrifid* if necessary
rocky bottom to which was attached
lots of *Gracillaria*, long slender
algae.

Amphioxus

June 11 - 1925

Red N. 2

Haul #

214

Bomb dredge

16 fms.

5 1/2 miles S.

Ran forty mins south of Bong
 Net towed from 9.55 - 10.10.
 shelly sand, lots of foraminifera
 about 5 1/2 miles south

Haul #

215

Bomb dredge

18 fms

about 6 miles S.

On 18 fms. net ~~towed~~ ^{hauled} from 11.20
 - 11.40 a.m. Great mass of
 algae several buckets full.

2nd day matted tangle. had 1 quite
 number of broken coral rocks.

This kind of bottom is what is called
 Red matter bank, where they fish for red snappers.

Haul #

216

Bomb dredge

20 fms.

7 miles S.

Net down at 12.00

Bottom coarse grey sand, shelly,
 few sponges. 2 Amphioxus?

(Amphioxus 1 long)

Haul #

217

Bomb dredge

25 fms.

8 miles S.

Net towed 12.35 - 12.50 = 25 fms

Great sponge haul sponges
 of all kinds, shrimp & crabs
 in same, and red sponges abv.

Haul #

218

Bomb dredge

45 fms.

about 10 miles S.W. of Bong
 About S.W. of Bong 45 fms.

Soft grey, cold ooze + shaggy
 transparent worm tubes.

134

June 11 cont'd

Haul #
219
3ft Blake
Trawl.
45 fms

West of 218 : Depth 45 fms. ended
at beginning and end.
Soft grey cold ooze.
not much life of any sort
not much left after washing

Haul #
220
3ft Blake
Trawl.
30 fms

ker towed in 30 fms from 3.45-4.0 p.m.
got back about 6.00 p.m.
Ding (red) about 5.30?
soft grey ooze + some sponges.
when washed out considerable
shell fragments left. + some
~~bits~~ live shells

June 12: In lab. forenoon writing up
these last two days notes such as they
are. and picking up stuff
obtained. Afternoon back in
fish stomachs.

1925

135

June 13
Saturday

Sat evening Miller brought in
a *Physalia*. Kept it in a high
box not fluorescent light
when I first look at it in dark
near 8:30 & 9 o'clock now when
invited a turned up of
course this is but one isolated
case plus it was no luminous
any where or in any sense.

The blue at posterior fin end =
most intense hyacinth blue
fading out to anteroventral blue
same in folds of crest.
edge of crest. Short purple
shorter tentacles blue
fading into lilac
long tentacles dark amaranth
purple or almost dahlia purple

June 13
Sat.

Measured fish and opened stomachs and
intestines all morning. Sorted balance of
June 9 fishes to date have looked thru
264. Knocked off at 3 P.M. to
write this and some letters.

June 13

Mr. Mann's Birthday party. Made
Candles in test tubes. Gosh made
cake & put flag over door, also
special punch which we ordinarily
do not have for supper.

Chester got a conch with a
Petrochirus in it & also got
two *Porcellana sayana*'s out of
it just I had seen larger of
two just between dragon blood
and coral red with whitish spots
smaller lower brown, with spots more
nearly clear white.

June 14
Sunday

6:30 a.m. wrote letters last night & a
little more this morning to Sturmy. After
the Lohm goes will be a day of fish
stomachs, all day till bed time.

June 15
Monday

All day a Fish stomachs

June 16
Tuesday

All day on fish stomachs; off for 2-4
Lohm arrived. Read mail
Some of her fellows have all their second class
mail sent down. Make a nice morning & pass time

June 16 Valentine collected erosa on Bird Key
 reef = Vinaceous-Cinnamon generally
 run Vinaceous + Buff Pink with muddier
 brown (obscured) bars on legs, and
 cheliferous

middle of frontal
 region.

Shore puerella + some bathyrus couple
 taken too, 1 Microphrys + 1 E. gmagra
 + two Gnadaclius.

affinis Yellow Schoolmaster
 griseus Gray snapper

rocks? + ~~Grass~~ ^{Grass}

Crangons. 30-5 for Gray Mithray

Petro listhes. ca. 125-1 for
 180(200)-13 for 6

Portunids (chiefly depressifrons)
 5 - 1 for yellow snapper.

Euryplax 2 - none for Yellow.
 Alburnea 1 - "
 Pseudosquilla 304-1 " Yellow.

Yellow Grunts must feed
 around rocks
 ? did I mean grunts
 here a snapper.

Yellow snapper = rocks
 Gray snapper = sand
 bottom

June 17

One day about 4:30 or 5 put Bitter
in Aquarium, it burrowed right
under there evening about 9 o'clock
a went out to look at aquarium.

(3/4) *Portunus depressifrons* had its half
eaten (bottom legs all gone + shell
empty except at extreme hinder end.

Alaptha supports itself on last two
pairs of legs while eating passing food
up with 2 + 3d pairs chelipeds merely
holding (rests on flat of edge of substrate
to keep from sinking in sand.

When walking legs are very tactile in
function feeling + testing out ground ahead
as crab moves, ^{+ nervous} twitching much
antennules

June 17 Dauln went chedging 3 miles north
of Snigger Head in 10-45 foot depth
should get nice lot of crabs.

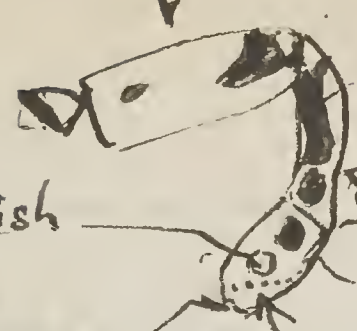
Mr. Smiley & I used chimney bird
for rocks & ~~see~~^{little} grass roots.

Tr get food fishes feed on.
fairly successful though no large
nos of Petrolisthes.

June 18 Fish stomachs all day.

June 19

rest of legs whitish. Color not distinctive
 purple = violet edges not suffused
 yellow = canary yellow
 reddish
 little yellow flush here very faint
 yellow to here or end.



Plays
 Possum
 mostly reddish
 faint
 things of
 burnt carmine

all yellow no significance except is
 this sketch, back grayish + brownish
 with some dark brown speckling

little reddish brown here behind each eye
 about maroon in color

above made like
 G. does banding
 dredged

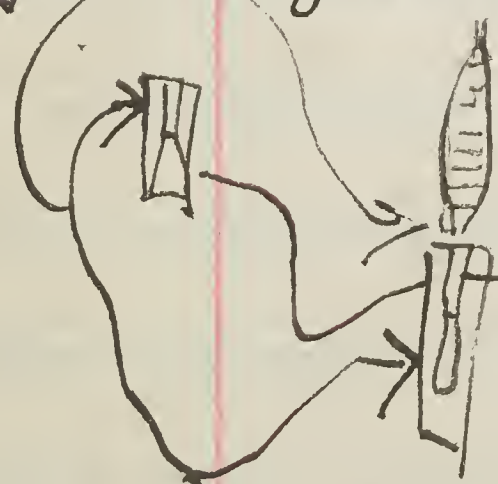
Collected Cullappa
 by Taylor

Small Cullappa



reddish suffusion &
 markings in shape of
 speckling of liver brown
 with tinge of claret brown.

insert this
 joint



higher central boss with touch of
 ochraceous.
 upper, thick flagellum dense yellow
 to colorless distally
 dense yellow

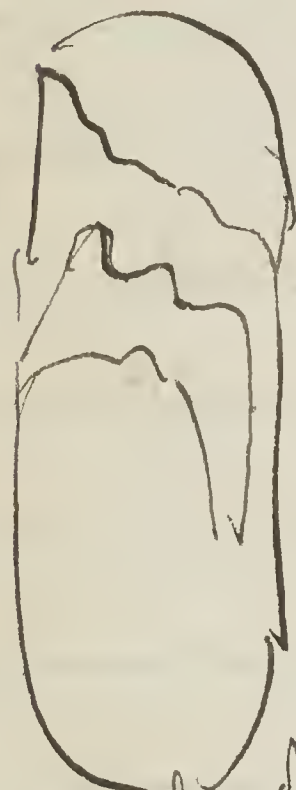
these areas ochraceous infer to hazel.

June 19
1925

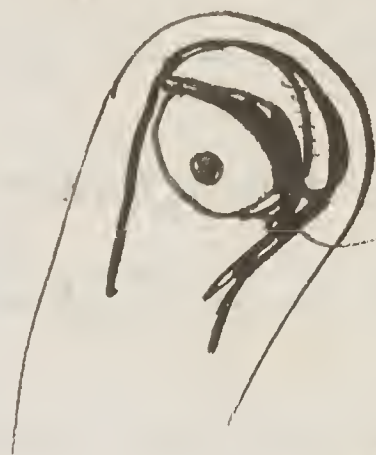
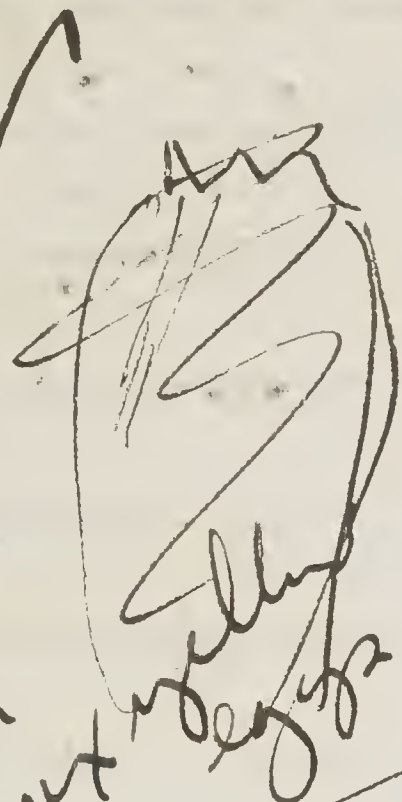
Color notes on Synalpheus brevicarpus

141

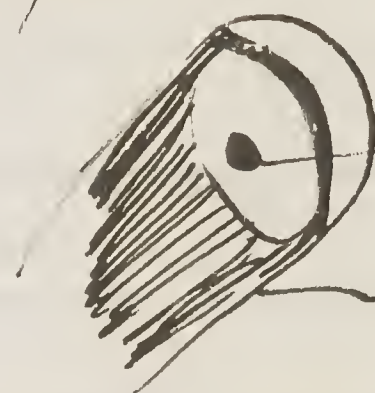
June 19 Bright Synalpheus obtained by
Hester from sponge off ~~Bona~~ Key
Male + female Bush Key Reef. on June 18
spms
together



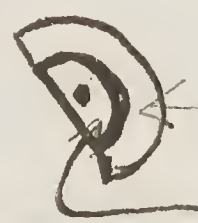
Large
hinged
male
shell
bristles
which
chagrin



beam band



black
brown



eye

Silvery white

General color
orange chrome

darkest on central area of
carapace

lighter on abdomen. steadily
lateral on chelera where it get
saturn red like lighter red some
way at extreme hind end wh.

distal third of telson & tail fan is
almost colorless just before which is
a sort of transparent ochraceous yellow

chela distally more yellow almost
cadmium yellow marginally lower
being orange chrome

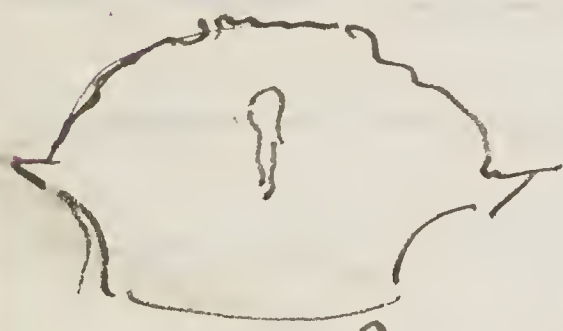
flagella of antehumuli & antennae, colorless
whitish, ditto.

area colored
antennae but
not transparent
pleurostoma +
denticles clear
of protuberance
this is all for
color

June 19/25

Jaylor dredged down towards old
rick S.W. of Sogge Head. in about 20ft
water got 4 Portunids and few hermit
Two smaller ones were described
Smallest much like two larger.
sand grey closely mottled

lateral
spine
short



central mark scaphognathus surface

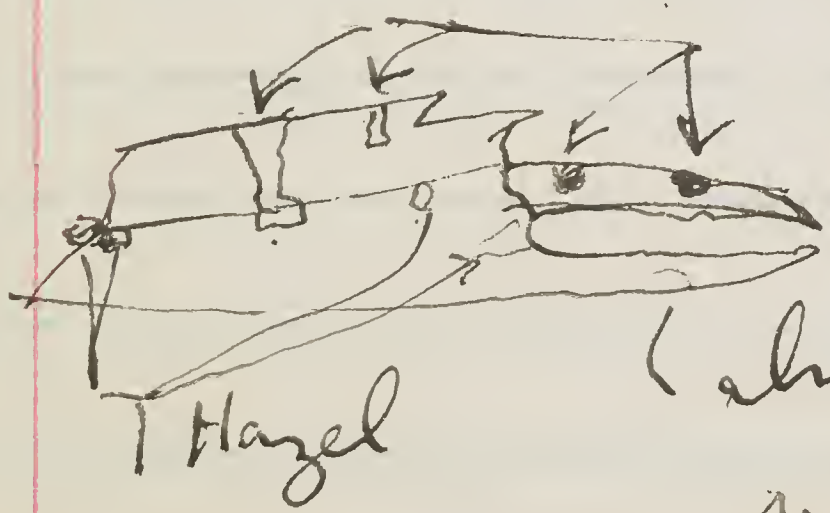
Paddles transparent and
most of legs. Dactyl of 1st anten-

nae purple like depressions near
joint similar too chelipeds white
with purple spot at articulation and tip

housh mottled
and superior
outer surface

fingers light with purplish fringe of hair.
Tip and lower edge and inside purple
spot on hand at articulation ditto like
in depressions

black horn = dove brown



lateral
spine
long

(almost pinkish inside of hand white
upper fingers with black horn on
inside

back mottled with Rain brown
and ~~little~~ light brown mottled in some
places

maxilliped on upper edge at articulation of
palp with ^{small} circular purple spot.

Tops of joints
of legs with few
speckles of French
blue making them
purple flushed or tinged

Taylor coll.

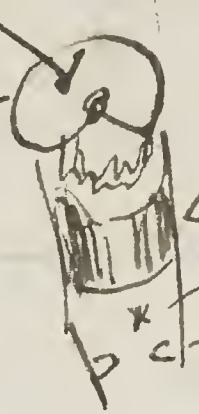
June 19, 1985

flagella pale transparent
flesh with little golden

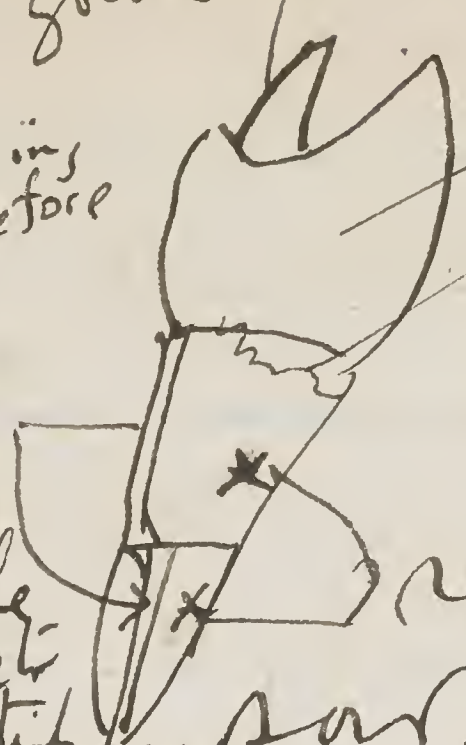
finer whitish scarer flesh
flesh color or
pale whitish subman.

Adts
Tadpole yellow running
into the red before
purple.

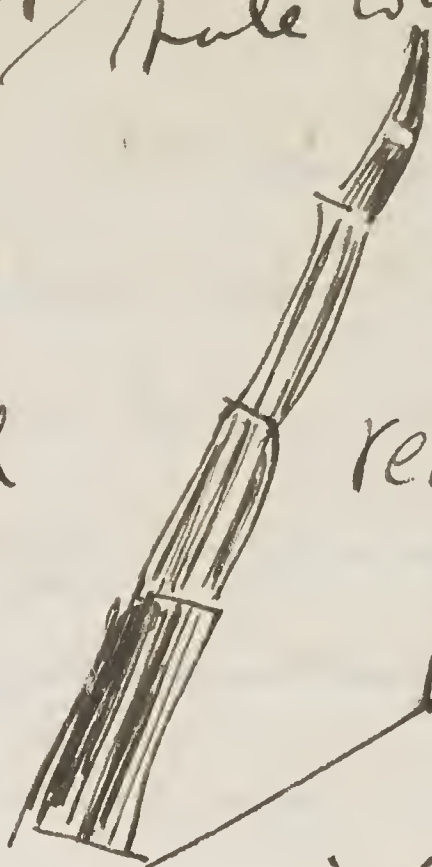
metall
iridescent
apple green
with yellow
points



royal purple
red
white
bright shiny

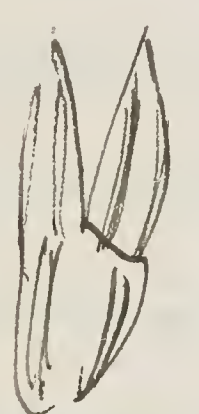


red
part of
bright shiny



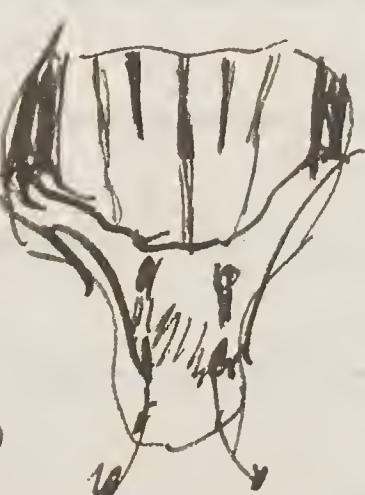
red + white
stripes

back greenish
grey looking
finer + much
closer together
nothing
mostly
some
smaller
with some
+ fewer larger
markings
of listre



striking
not very
plain

scarlet vermilion x poppy
red to which it fades out
on lower side
post part surface white.
and part mostly same
with dashes (exclamation
points) of the red



stripes on legs
narrow in
middle and proximally
+ distally, & white between
broadens out making at little distance
ends of joints look as though they had whitish
bands same thing happens at middle
of length of prothorax which seems
almost to have white annulations around
its middle, at these points to the
pinkish suffusion & the white does not appear
the pure white accentuating the apparent cross bands

markings on
back large
& much
white between

June 19 Valentine, when aleyonaria collecting off first rocks below Sub. dock, ~~and star~~ ^{in about} 4-4½ feet water, just before Sunlight. Saw the Callappa gallus have concealed in sand. Presumably like crabs, crustacea they are nocturnal & so probably can be more easily found toward sundown.

June 19 Taylor's dredged Portunids could two larger are colored like muller in addition on inside both fingers are purple tinged and there is a smaller somewhat fainter spot of purple at articulation of movable finger corresponding to outer, back seemed sort of overlaid light tuberculations are whitish and color is more checked or than appeared in smallest one second ambulatories colored like first little fainter, 3d still fainter

* Spider crab = Vinaceous ^{chela} Buff. + Pinkish ^{body more} buff.

X anthid chelae, surface ferruginous

Carapace grayish due to obscuring pile

(piece of Dictyotys attached to ant.)

June 20 Irish stomachs. Conyer gave me a meal of a tow net sample. Off reef near wreck boat of Soggyhead Key, Intergus June 20/25 - 10. A.M. Bright wings got in with my stomachs. ^{was} ~~was~~ labeled.

June 21

June 21

Stish stomachs all day.

June 22 Fish stomachs all day + evening crowded
in one caring for specimens. Early
this a.m. right after breakfast
Got up at 4³⁰ at least was waked.
up. by Dexter + Charley who took us
out to make a few tow net hauls.
made one 7 min. tow from S. #4 of
old wreck D.W. Soggyhead Key
to old wreck. Then made a
dredge haul with new small rock
dredge that Mills built on the lines
of the Puget Sound one. Then
across the shoal off extreme
south end of island (Soggyhead)
Then steamed up to white shoals
long + made a tow net haul 20
10 mins. running north of that +
dredged back. Then made a
~~long haul~~ another dredge haul
on eel grass just off north end
of island. Got a large thick cube
a burnt wooden box

June 23 Fish stomachs all day. ^{Fore 4000} Opened fish in
 Taps For Taylor in
 Afternoon

June 24 Attempts to get up early to dredge &
 turned but through misunderstanding
 Charly and Dexter failed to wake me.
 Change alcohol of jars & at 8.45
 began on fish stomachs again.

25 Fish stomachs

26 "Packing"

27

In afternoon at 3⁰⁰
 tried our dredges + watched beam.
 Hiving hood. Mills dredge worked best
 9 ft water, 8 fms rope $3/4$ inch at slow
 2 miles per hour speed

Big rock pattern dredge with 8 fms 6 fms rope
 9 ft water at half speed
 4 miles per hour worked O.K.
 little dredge not so good

Small rock dredge built by Mills
 to fit his small net was too light
 to be of much use. Too light and
 middle cross bar tended to fly up
 see page 148

"It aint goin to rain no more"
 higher of the 27. Had quite a squall &
 heavy rain. Scariest I believe I'd
 seen of land in two seasons.

Seas which ordinarily didn't exist
~~the~~ light rains showed up every
 where, slight one over my left ankle
 which a towel over the mosquito net
 took up though just of. That comes
 quite a leak poured down on
 the floor.

But Valentine, it came
 down so on his ~~bed~~ that he was
 drenched, had to take off his
 pajamas and dry off his body.
 And on his bed were at least
 two great big puddles that made
 one lurch to look at them. Miller
 pointed his flashlight close to them
 & all three of us had a good
 laugh. When at about the worst
 point Miller said "It aint goin
 to rain no more." Valentine had

J. M. Valentine

J. M. Valentine

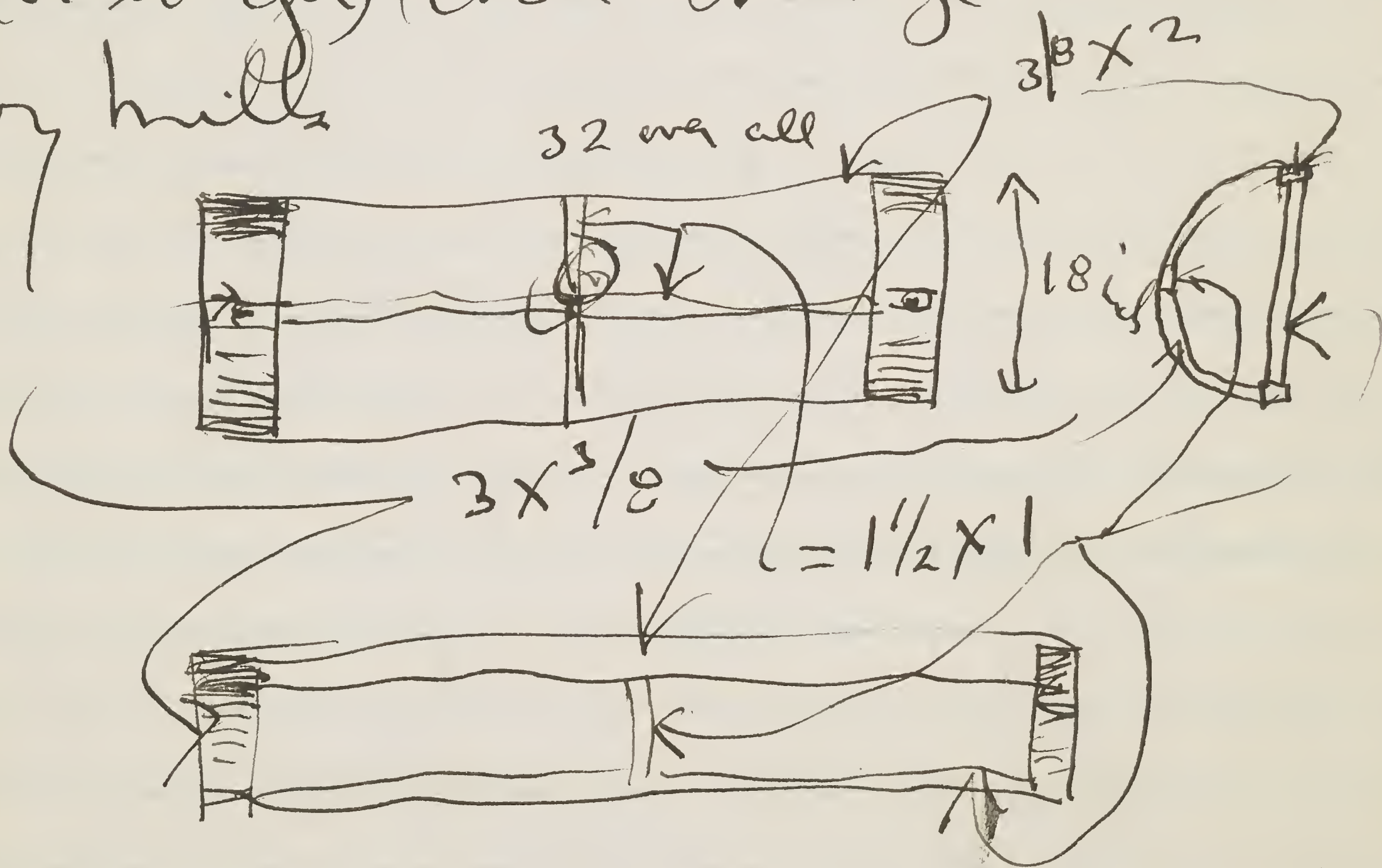
to wait till the rain was over
 then turn his mattress & put a
 his butt out to sleep. Night was
 cool enough thereafter for it.

32 inch over all
 18 in circle
 46 — $\frac{3}{8} \times 2$ } center
 $\frac{3}{8} \times \frac{3}{8}$ } $1\frac{1}{2} \times 1$

June 27 ^{center} + tender block opening too much
 more line + heavier weight might
 have helped but fact remains
 that mills dredge proved most
 satisfactory

Big (a larger) rock dredge built
 by mills

R.R. Tick. 48.75
 Pullman: 15-
Total 63.75



Supper in Key West paid for
 Oschner 4.00 = 1.15 ea
1.15
 2.30

tip.
 $\frac{2.30}{.80} = 2.875$
 2.875

Guava jelly	
Taxi	1.20
Delmonicos	3.05
Break.	.90
Lunch	1.50
Supper	1.80
Break.	.85
Porter	

— pc. gal. metal riveted on with
 holes punched in to lash net & go

Home at 9:50
 by fine table